

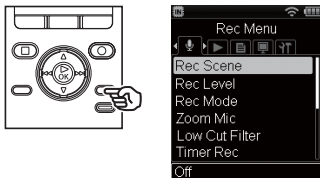
Menu

Setting menu items

Basic operation

Menu items are arranged by tabs, letting you quickly set desired items by selecting a tab and then moving to the desired item within the tab. Follow the steps below to set a menu item.

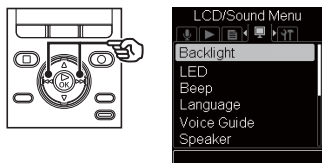
- 1 Press the **MENU** button during recording, playback or stop.



TIP

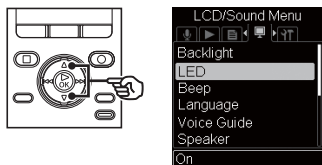
- In addition to pressing the **MENU** button, you can also enter the menu screen from the **[Home]** screen (☞ P.23).
- Some menus contain items that can be set during recording/playback (☞ P.57).

- 2 Press the **▶▶** or **◀◀** button to select the tab of the item that you wish to set.



- Moving the cursor from one tab to another switches the displayed menu screen.

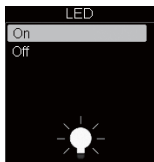
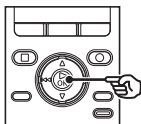
- 3 Press the **▲** or **▼** button to select the desired setting item.



Setting menu items

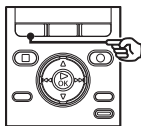
Basic operation

4 Press the ►OK button.



- A message indicating the setting has been entered appears.
- If you press the ◀◀ button without pressing the ►OK button, the setting is canceled and the previous screen is displayed.

7 Press the F1 (BACK) button to exit the menu screen.



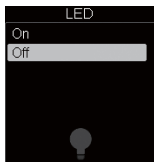
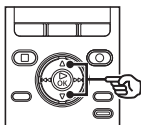
- When you enter the menu screen during recording or playback, press the **F1 (BACK)** button to return to the previous screen without interrupting recording or playback.

5

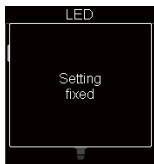
Setting menu items

- The setting of the selected item is displayed.
- You can also use the ►►I button to perform this operation.

5 Press the ▲ or ▼ button to change the setting.



6 Press the ►OK button to finalize the setting.



NOTE

- For menu settings done while the voice recorder is in stop mode, the voice recorder exits the menu and returns to the stopped mode if no operation is performed for 3 minutes. The selected setting item is not changed in this case.
- For menu settings done during recording/playback, the voice recorder exits the menu if no operation is performed for 8 seconds.

Basic operation

■ Menu items that can be set during recording;

- Rec Level
- Zoom Mic
- Low Cut Filter
- Folder Name
- Rec Monitor
- Backlight
- LED

■ Menu items that can be set during playback;

- Noise Cancel*¹
- Voice Balancer*¹
- Play Mode
- Skip Space*¹
- Property
- Backlight
- LED

*1 Function active only in [Recorder] mode.

Recording menu [Rec Menu]

Selecting the recording sensitivity [Rec Level]

You can change the recording level (sensitivity) as needed for your recording application.

[High]:

The highest recording sensitivity. Suited to recording lectures, large conferences and other applications with distant or quiet sound sources.

[Middle]:

Suitable for recording in a meeting with a small number of people.

[Low]:

The lowest sensitivity, this level is suitable for dictation.

[Manual]:

You can adjust the recording to any of 30 levels.

TIP

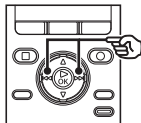
- When you wish to record a speaking voice clearly, set [Rec Level] to [Low], and place the voice recorder's built-in microphone near the speaker's mouth (5 to 10 cm away).

NOTE

- When [Rec Level] is set to [High], [Middle] or [Low], the recording level is adjusted automatically. Excessively loud sound input may generate noise regardless of whether [Rec Level] is set to [High], [Middle] or [Low].

Adjusting the recording level

- Adjust the recording level by pressing the **▶▶** or **◀◀** button during recording or when recording is paused.



- Increasing the [Rec Level] number increases the recording level and extends the level meter indicator position.

NOTE

- Setting the voice recorder to [Manual] disables the limiter function. If [OVER] is displayed, the recorded audio will be distorted. Adjust the recording level so that [OVER] is not displayed.

Recording menu [Rec Menu]

Setting the recording mode [Rec Mode]

You can prioritize sound quality or recording time. Select the recording mode that best matches your recording application.

[PCM 48kHz/16bit]
[PCM 44.1kHz/16bit]
[MP3 256kbps]
[MP3 128 kbps]
[WMA 32 kbps mono]*
[WMA 8 kbps mono]*

* Mono recording

TIP

- The [Rec Mode] screen shows the highest sound quality order, beginning from the top.
- Setting a higher recording rate increases file size. Check that you have enough remaining memory before recording.
- To record conferences and presentations clearly, it is recommended to set [Rec Mode] setting to [MP3 128kbps] or above.

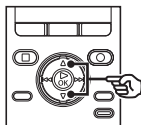
NOTE

- When [Rec Mode] is set to stereo, recording with a connected mono microphone records on the left channel only.

Selecting microphone directivity [Zoom Mic]

The voice recorder's built-in stereo microphone provides directivity ranging from broad-coverage stereo recording to highly directional recording.

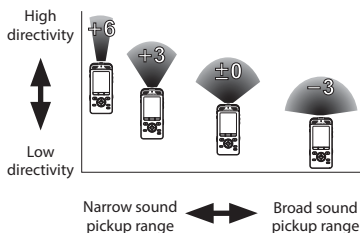
- 1 Press the **▲** or **▼** button to adjust the directionality of the built-in stereo microphone.



- The + button increases directivity.
- The - button enables recordings with broader-coverage stereo.
- Reducing directivity and broadening the sound pickup range gives recordings more of a stereo effect.
- You can adjust the range between [-3] and [+6].

Recording menu [Rec Menu]

Zoom mic function



Reducing noise during recording [Low Cut Filter]

The voice recorder's low cut filter function lets you make recordings that reduce humming sounds from air-conditioners or low-frequency sounds from equipment such as projectors.

- [On]: Turns the low cut filter ON.
- [Off]: The low cut filter is disabled.

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Recording menu [Rec Menu]

NOTE

- The [Zoom Mic] function is designed to demonstrate the performance by the recorder's built-in stereo microphone. Note that normal recording may no longer be possible when using a separately purchased microphone or when recording from another device using a connecting cord.
- The following function is not available when the [Zoom Mic] function is used.
 - [With recording] (P.79)

Setting timer recording [Timer Rec]

Recording starts automatically when the set time arrives.

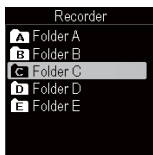
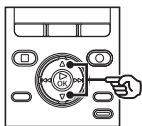
See "Setting timer recording [Timer Rec]" (P.76) for the procedure.

Recording menu [Rec Menu]

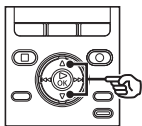
Changing the folder name [Folder Name]

You can change the name [Folder A] to [Folder E] for voice recording.

- 1 Press the ▲ or ▼ button to select the folder you wish to change.



- 2 Press the ▲ or ▼ button to select the name you wish to change from the registered list.



Template list

Folder A	Folder B	Folder C	Folder D
Folder E	Car	Train	Plane
Work	Interview	Business trip	Conference
Lecture	Class	Reminder	Record
Telephone recording	Conversation	Hobby	Lesson
Language study	Music	Event	

TIP

- In addition to navigating through the menu, you can press the **F3** button on the folder list display screen to change the folder names.

Setting the recording monitor [Rec Monitor]

Select whether or not to output audio while recording from the earphone jack (EAR).

[On]:

Enables the recording monitor function. Sound will be output from the EAR jack.

[Off]:

Disables this function. Sound will not be output from the EAR jack.

NOTE

- If the external speaker is connected while recording, there is a risk that audio feedback will occur. It is recommended that you use earphones to monitor recording, or turn [Rec Monitor] to [Off] while recording.

Playback menu [Play Menu]

Skipping non-voice portions during playback [Voice Playback]

The [Voice Playback] function lets you only play the speaking portions of a recorded file of spoken-word content.

NOTE

- The speaking portions of the file must be extracted beforehand (☞ P.79).

[On]:

Automatically skips the non-voice portions of the file and plays only the speaking portions.

[Off]:

The voice playback function is disabled.

NOTE

- The [Voice Playback] function is only enabled in [Recorder] mode.

Reducing noise during playback [Noise Cancel]

Use the [Noise Cancel] function to reduce noise when a recorded voice is difficult to discern.

[High] [Low]:

Reduces surrounding noise to play back clearer sound quality.

[Off]: The noise cancel function is disabled.

NOTE

- The [Noise Cancel] function is only in [Recorder] mode.

Adjusting low volume portions during playback [Voice Balancer]

The [Voice Balancer] function adjusts low-volume portions of recorded audio files to make them louder.

[On]:

Adjusts low-volume portions of audio files during playback, making them louder.

[Off]:

The voice balancer function is disabled.

NOTE

- The [Voice Balancer] function is only enabled in [Recorder] mode.

Selecting playback modes [Play Mode]

Select the playback mode according to your preference.

1 Press the ▲ or ▼ button to select [Playback range] or [Repeat].

[Playback range]:

Specifies the range of file playback.

[Repeat]:

Repeats playback of the set range.

2 Press the ▲ or ▼ button to select the setting.

When [Playback range] was selected:

[File] [Folder] [All]:

Specify the range of file playback.

When [Repeat] was selected:

[On]:

Repeats playback of the playback range.

[Off]:

Cancels repeat playback.

NOTE

- When you set **[Playback range]** to **[File]**, **[End]** blinks in the display for 2 seconds after the last file in the folder has been played, then playback stops at the start position of the last file.
- While **[Playback range]** is set to **[Folder]**, **[End]** blinks in the display for 2 seconds after the last file in the folder has been played, then playback stops at the start position of the first file in the folder.
- When **[Playback range]** is set to **[All]**, after the last file in the current folder has been played, the first file in the next folder is being played. When playback reaches the end of the last file in the voice recorder, **[End]** flashes in the display for 2 seconds, then playback stops at the start position of the first file in the voice recorder.

Playback menu [Play Menu]

Setting a skip space [Skip Space]

This function skips (forward) or reverse skips (rewinds) the file being played back for a set amount of time and it is a convenient way to move the playback position or repeat playing a short phrase.

1 Press the ▲ or ▼ button to select [Forward Skip] or [Reverse Skip].

[Forward Skip]:

Starts playback after moving the playback position forward by the set amount.

[Reverse Skip]:

Rewinds the set amount of time and starts playback.

2 Press the ▲ or ▼ button to select the setting.

When [Forward Skip] was selected:

[File Skip], [10 sec. Skip], [30 sec. Skip],
[1 min. Skip], [5 min. Skip]

When [Reverse Skip] was selected:

[File Skip], [3 sec. Skip], [5 sec. Skip],
[10 sec. Skip], [30 sec. Skip], [1 min.
Skip], [5 min. Skip]

NOTE

- Forward/reverse skip operations over a skip space that contains an index mark/temp mark or the starting position of a file will stop at that mark or at the start position.
- The [Skip Space] function is only enabled in [Recorder] mode.

Forward/reverse skip playback

1 Press the ►OK button to start playback.

2 Press the ►►| or |◀◀ button during playback.

- Playback starts after skipping forward or backward by the set amount.

Playback menu [Play Menu]

Increasing efficiency for voice transcription [Transcription Mode]

Changes the operations assigned to the voice recorder's buttons to operations tailored to transcription.

[On]:

You can change operation of buttons to the setting for transcription.

[Off]:

The operation of buttons becomes normal.

[STOP (■)]	[Back Space (3 sec)]
[▶▶ (CUE)]	[600% Playback]
[◀◀ (REV)]	[REW]
[▶▶ (SKIP)]	[10 sec. Skip]
[◀◀ (SKIP)]	[3 sec. Skip]
[Voice Balancer]	[On]

NOTE

- The [Transcription Mode] function is only enabled in [Recorder] mode.

File menu [File Menu]

5

File menu [File Menu]

Extracting the speaking portions of files of spoken-word content [Voice Detect]

The function extracts the speech portions of a voice file or a file being recorded by the voice recorder.

See “**Extracting the speaking portions of files of spoken-word content [Voice Detect]**” (P.79) for the procedure.

Preventing accidental file erasure [File Lock]

The file lock feature lets you lock important files to prevent them being accidentally erased. Once locked, a file is not erased even if the operation for erasing all the files in its folder is performed (P.46).

1 Select the file you want to lock (P.27).

[On]:

Locks the file.

[Off]:

File lock is canceled.

Sorting files [Sort by]

You can collectively change the playback order of files saved in the voice recorder.

[File name]:

Sorts files automatically by name.

[Date ascending]:

Automatically sorts the files by date (recording date/time) from oldest to newest files.

[Date descending]:

Automatically sorts the files by date (recording date/time) from newest to oldest files.

NOTE

- When [File name] is selected, files are listed in order of file name based on the character code.

Moving/copying files [Move/Copy]

Files saved in the internal memory or on an SD card can be moved or copied within memory.

See “**Moving/copying files [Move/Copy]**” (P.81) for the procedure.

Dividing files [File Divide]

Large files or files with long recording times can be divided for easier management and editing.

See “**Dividing files [File Divide]**” (P.84) for the procedure.

Displaying file or folder information [Property]

You can display the information of a file or folder from a menu screen.

File information

1 Press the ▲ or ▼ button to switch the screen.

- [Name] [Date] [Size] [Bit Rate]^{*1} [Artist]^{*2} [Album]^{*2} are displayed.

*1 When a linear PCM format file is selected, the sampling rate and bit count are displayed in the [Bit Rate] field.

*2 If there is no tag information in the file, [UNKNOWN_ARTIST] and [UNKNOWN_ALBUM] are displayed.

Folder information

1 Press the ▲ or ▼ button to switch the screen.

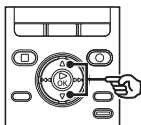
- [Name] [Folder] and [File] are displayed.
- In [Recorder] mode, [Folder] is not displayed.
- Displayed numbers of files do not include files in formats that are unrecognizable to the voice recorder.

File menu [File Menu]

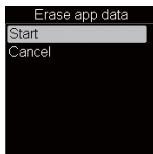
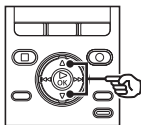
Erasing the content folder [Erase app data]

Use the smartphone application (☞ P.93) to delete the content folders transferred to the voice recorder.

- 1 Press the ▲ or ▼ button to select the folder you wish to erase.



- 2 Press the ▲ or ▼ button to select [Start].



NOTE

- You cannot use the voice recorder to check the files in the content folder.

LCD/Sound menu [LCD/Sound Menu]

Setting the backlight [Backlight]

The display backlights are switched on for a preset amount of time when a button operation is performed.

- 1 Press the ▲ or ▼ button to select [Lighting Time], [Dim light time] or [Brightness].

[Lighting Time]:

Set the time between when the backlight is turned ON and the screen display becomes dim.

[Dim light time]:

Set the time between when the screen becomes dim and the screen is turned OFF.

[Brightness]:

Set the brightness of the backlight.

- 2 Press the ▲ or ▼ button to select the setting.

When [Lighting Time] is selected:

[5 sec.] [10 sec.] [30 sec.] [1 min.]

[Always ON]

When [Dim Light time] is selected:

[30 sec.] [1 min.] [2 min.] [5 min.]

[Always ON]

When [Brightness] is selected:

[01] [02] [03]

Setting the LED indicator light [LED]

You can set the unit so that the LED indicator light does not light.

[On]:

LED indicator light is switched on.

[Off]:

The LED indicator does not light.

Turning beeping sound ON/OFF [Beep]

The voice recorder makes beeping sounds when buttons are pressed, or to warn in case of operation errors. You can select whether the voice recorder makes these beeping sounds.

- Select from [5] to [0].
- As greater the number, the louder the beep sound.

LCD/Sound menu [LCD/Sound Menu]

Changing the display language [Language]

You can select the language used in the voice recorder's displays.

- [Čeština] [Dansk] [Deutsch] [English] [Español] [Français] [Italiano] [Nederlands] [Polski] [Русский] [Svenska].

TIP

- The language selections vary depending on where the voice recorder was purchased.

Setting the voice guidance [Voice Guide]

This feature gives voice announcements of recorder operating conditions.

See "**Setting the voice guidance [Voice Guide]**" (P.86) for the procedure.

Selecting the speaker output [Speaker]

You can set the built-in speaker to be ON or OFF when the earphones are not connected.

[On]:

When the earphone is connected, sound is output from the earphone and when the earphone is disconnected, sound is output from the built-in speaker.

[Off]:

Sound is not output from the built-in speaker even though the earphone is disconnected.

Device menu [Device Menu]

Selecting the recording media [Memory Select]

When there is an SD card in the voice recorder, you can select whether to record on the internal memory or on the SD card (see P.18).

[Internal memory]:
Records to internal memory.

[SD card]:
Records to the SD card.

Setting power save mode [Power Save]

The voice recorder turns OFF automatically when a preset amount of time has elapsed while the voice recorder is in stop mode after power ON.

[5 min.] [10 min.] [30 min.] [1 hr.] [2 hr.] [3 hr.]:

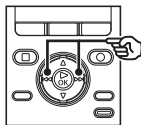
Select the desired amount of time.

[Off]:
Disables power save mode. Note that leaving the voice recorder On will quickly deplete the battery.

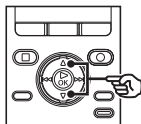
Setting the date/time [Time & Date]

Set the date and time beforehand to enable easier management of recorded files.

- 1 Press the ►► or ◀◀ button to select the desired setting item.



- 2 Press the ▲ or ▼ button to change the number.



- To change another item, use the ►► or ◀◀ button to move flashing position and use the ▲ or ▼ button to change the number.

- 3 Press the ►OK button to finalize the setting.

TIP

- When setting hours and minutes, each time the **F3** button is pressed, the display changes between 12 hour and 24 hour display.

Example: 10:38 PM

10:38 PM
(default format) ←→ 22:38

- When setting the year, month, and day, each time the **F3** button is pressed, the display order changes.

Example: March 24, 2013

3M 24D 2013Y
(default format)
↓
24D 3M 2013Y
↓
2013Y 3M 24D

NOTE

- Even if the voice recorder is not used for a long period of time, when the battery is used up, the date and time must be re-entered.

Setting the USB connection [USB Settings]

When connecting the voice recorder to a PC, you can use the voice recorder as a USB storage device.

[Storage Class]:

The PC side recognizes the voice recorder as an external storage device.

[Composite]:

When connected to a PC, select to use the voice recorder as an external storage device, USB speaker and microphone.

Restoring the default settings [Reset Settings]

This setting is used to return various functions to the factory default settings (factory default). The clock setting, file numbers, and folder names are retained.

1 Press the ▲ button to select [Start].**Rec Menu:**

Rec Scene: Off
Rec Level: Middle
Rec Mode: MP3 128kbps
Zoom Mic: Off
Low Cut Filter: Off
Timer Rec: Off
Folder Name: Initial setting
Rec Monitor: On

Play Menu:

- Voice Playback: Off
- Noise Cancel: Off
- Voice Balancer: Off
- Play Mode:
 - Playback range: File
 - Repeat: Off
- Skip Space:
 - Forward Skip: File Skip
 - Reverse Skip: File Skip
- Transcription Mode: Off

LCD/Sound Menu:

- Backlight:
 - Lighting Time: 10 sec.
 - Dim light time: 30 sec.
 - Brightness: 2
- LED: On
- Beep: 3
- Language: English
- Voice Guide:
 - On/Off: On
 - Speed: 100
 - Volume: 3
- Speaker: On

Device Menu:

- Memory Select: Internal memory
- Power Save: 10 min.
- USB Settings: Storage Class

Formatting a recording media [Format]

Formatting a recording media erases all existing files saved on it. Be sure to transfer all important files to a PC before formatting.

See "**Formatting a recording media [Format]**" (P.88) for the procedure.

Checking recording media information [Memory Info.]

You can display the capacity and remaining memory space of the recording media from a menu screen.

NOTE

- Some recording media memory capacity is used as a management area, so the actual usable capacity will always be slightly less than the displayed capacity.

Confirming the voice recorder information [System Info.]

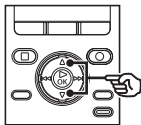
You can display voice recorder information from a menu screen.

- Displays system information about the voice recorder, such as [Model], [Version], and [Serial No.].

Displaying Wi-Fi setting information [Wi-Fi]

Displays information related to Wi-Fi connections with the voice recorder. You can use the voice recorder as an Wi-Fi access point only.

- 1 Press the ▲ or ▼ button to select [Wi-Fi connection] or [Change password].



[Wi-Fi connection]:

Displays the SSID (network name) and password required to use a smartphone to connect to the voice recorder over Wi-Fi. At the same time, displays the QR code that is generated by the displayed SSID and password. To use QR codes, you must install a special application beforehand.

[Change password]:

Select to change the password. Each time it is executed, a different password is automatically generated. For security reasons, we recommend that you change the password periodically. Running [Reset Settings] (P.72) restores the password back to default.

To check the default password, use the [Wi-Fi connection] function after using [Reset Settings].

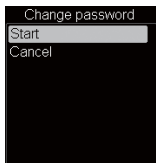
When [Wi-Fi connection] is selected:



- (a) QR code
- (b) SSID
- (c) Password
- The QR code, SSID and password are displayed on the screen.

When [Change password] is selected:

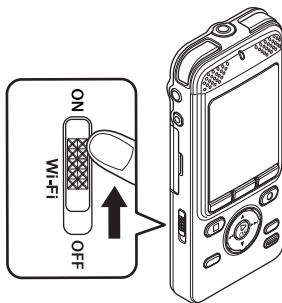
- 1 Press the ▲ or ▼ button to select [Start].



- 2 Press the ►OK button.
 - When [Password changed] is displayed, the procedure is completed.

Connecting a device to the voice recorder

- 1 Turn ON the Wi-Fi ON/OFF switch of the voice recorder.



- 2 Operate the voice recorder to display the SSID and password on the screen.

- 3 Change the configuration of the device to be connected.

When configuring a smartphone:

Use the QR* code or SSID and password displayed using the [Wi-Fi connection] function to configure the smartphone. For details, see the instruction manual for your smartphone.

- * To use QR codes, you must install a special application beforehand.

TIP

- A special application is provided for smartphones. If the special application is installed on your smartphone, you can easily use QR codes to configure the phone (☞ P.93).

NOTE

- While the Wi-Fi ON/OFF switch is turned ON, the [Power Save] function is disabled. If the voice recorder is left in this state, battery life will be consumed quickly.
- While the Wi-Fi ON/OFF switch is turned ON, [Change password] is not available. To perform [Change password], turn OFF the Wi-Fi ON/OFF switch.
- When Wi-Fi is connected, battery life is shorter. If the battery runs out during data transfer, the data may be damaged. Therefore, when using a Wi-Fi connection we recommend that you use the AC adapter included with the voice recorder.
- Operation of the Wi-Fi ON/OFF switch is disabled during recording. Perform switch operations while recording is stopped.

Setting timer recording [Timer Rec]

Setting timer recording [Timer Rec]

Recording starts automatically when the set time arrives. Timer recording allows you to record at a set date and time and also record at regular intervals based on a set date and time. You can register up to three preset items.

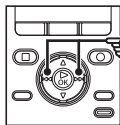
5

Setting timer recording [Timer Rec]

- Check beforehand that the voice recorder clock matches the current date and time. Use [Time & Date] to match the date and time (P.71).
- Check that there is sufficient battery life.
- Check that there is sufficient memory space.
- Timer recording operates with the content set in the voice recorder. Complete necessary recording settings beforehand, such as [Rec Level].
- The recorded file is automatically saved in [Folder A]. Note that if there are 999 files in [Folder A], timer recording is not performed.
- The timer recording date can be set within one year interval from the current date.
- Timer recording may start a few seconds after the set time arrives.

- 1 While the voice recorder is in stop mode, press the MENU button.**
- 2 Press the ▲ or ▼ button to select [Timer Rec].**
- 3 Press the ►OK button.**

- 4 Press the ▲ or ▼ button to select the desired preset number.**
- 5 Press the ►OK button.**
- 6 Press the ►▶| or |◀◀ button to select the desired setting item.**



- Timer recording date:
Set the timer recording date.
- Start time:
Set the timer recording start time.
- End time:
Set the timer recording end time.
- Repeat:
Set the number of times timer recording is repeated.

Setting timer recording [Timer Rec]

Setting timer recording [Timer Rec]

Set the timer recording date:

- 1 Press the ▲ or ▼ button to change the date and time.
- 2 Press the ►► or ◀◀ button to move the cursor.



- 3 Repeat steps 1 and 2 to set the timer recording date.

Set the start and end times:

- 1 Press the ▲ or ▼ button to change the number.
- 2 Press the ►► or ◀◀ button to move the cursor.



- 3 Repeat steps 1 and 2 to set the time.

Set the repeat count:

- 1 Press the ▲ or ▼ button to select [One Time], [Every Week] or [Everyday].

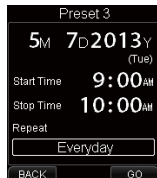
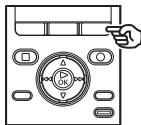


[One Time]: Records at the specified date and time and ends.

[Every Week]: After recording on the specified date and time, repeats recording at the same time each week.

[Everyday]: After recording on the specified date and time, repeats recording at the same time every day.

7 Press the F3 (G0) button to complete the setting.

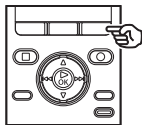


Setting timer recording [Timer Rec]

Setting timer recording [Timer Rec]

Turning preset recording On/Off

- 1 While the voice recorder is in stop mode, press the MENU button.
- 2 Press the ▲ or ▼ button to select [Timer Rec].
- 3 Press the ►OK button.
- 4 Press the ▲ or ▼ button to select the desired preset number.
- 5 Press the F3 (ON/OFF) button.



- Each time the **F3 (ON/OFF)** button is pressed, the preset will be switched on or off.

TIP

- Even though the power is Off or on hold, when the specified [Timer Rec] time arrives, recording starts.
- If the [Start Time] settings are the same, [Preset 1] has the highest priority and [Preset 3] has the lowest priority.
- If [Start Time] of [Timer Rec] and [Alarm] (Ⓜ P.52) are set to the same time, [Timer Rec] takes priority.

NOTE

- Check the [Current time] and if it is incorrect, adjust the date and time of the voice recorder (Ⓜ P.71).
- If voice recording is in progress or the unit is in use when the [Timer Rec] start time arrives, [Timer Rec] starts after the operation is finished.
- Because the battery can run out during timer recording and in such a case recording will be suspended, check the remaining battery level.

Extracting the speaking portions of files of spoken-word content [Voice Detect]

Extracting the speaking portions of files of spoken-word content [Voice Detect]

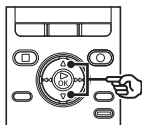
The function extracts the speech portions of a voice file or a file being recorded by the voice recorder.

NOTE

- The [Voice Detect] function can only be used in [Recorder] mode.
- To extract the speech portion from saved files, select a folder from [F1] to [F8] in the [Recorder] folder beforehand.

- 1 While the voice recorder is in stop mode, press the MENU button.
- 2 Press the ►► or ◀◀ button to select the [File Menu] tab.
- 3 Press the ►OK button.

- 4 Press the ▲ or ▼ button to select [File select] or [With recording].



[File select]:

Select a file for which you want to extract the speech portion.

[With recording]:

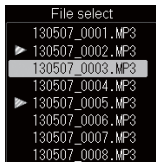
Extract the speech portion while recording.

- 5 Press the ►OK button to move to the respective setting.

Extracting the speaking portions of files of spoken-word content [Voice Detect]

When [File select] is selected:

- 1 Press the ▲ or ▼ button to select the file from which you wish to extract the speech portion.



- 2 Press the ►OK button.
 - When [Voice Detection completed] is displayed, the procedure is completed.

When [With recording] is selected:

- 1 Press the ▲ or ▼ button to select [On] or [Off].



[On]:
Extract the speech portion while recording.

[Off]:
Restores standard recording.

- 2 Press the ►OK button.
 - When [Setting fixed] is displayed, the procedure is completed.

TIP

- When extraction of the speech portion is completed, the [Voice Playback] setting in the [Play Menu] is switched to [On] (Ⓧ P.62).

NOTE

- If you select a folder that does not contain any files, [No file] is displayed. You must select a folder containing a file before you can perform the process.
- The speech portion may not be extracted correctly from a file that contains non-spoken word content such as recorded musical performances.
- If the voice volume is faint during recording (level meter is -12 dB or less), or depending on the surrounding noise, it may not be possible to extract the speech portion correctly.
- The time needed for the extraction process will increase in proportion to the size of the recorded file. Before processing, charge the battery to ensure it will not run out before the process is completed.
- The following function is not available when the [With recording] function is used.
 - [Zoom Mic] (Ⓧ P.59)

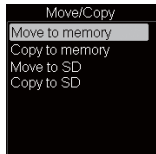
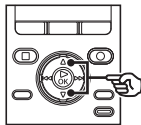
Moving/copying files [Move/Copy]

Moving/copying files [Move/Copy]

Files saved in the internal memory or on an SD card can be moved or copied within memory.

- 1** Before performing the move/copy operation, first select the folder containing the file you want to move or copy (P.27).
- 2** While the voice recorder is in stop mode, press the MENU button.
- 3** Press the ►►► or ◀◀◀ button to select the [File Menu] tab.
- 4** Press the ▲ or ▼ button to select [Move/Copy].
- 5** Press the ►OK button.

- 6** Press the ▲ or ▼ button to select the file move or copy method.



[Move to memory]:

Move a file from the internal memory or SD card to another folder within the internal memory.

[Copy to memory]:

Copy a file from the internal memory or SD card to another folder within the internal memory.

[Move to SD]:

Move a file from the internal memory or SD card to another folder within the SD card.

[Copy to SD]:

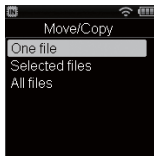
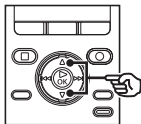
Copy a file from the internal memory or SD card to another folder within the SD card.

- 7** Press the ►OK button.

Moving/copying files [Move/Copy]

Moving/copying files [Move/Copy]

- 8** Press the ▲ or ▼ button to select the number of files to move or copy.



[One file]:

Selects only the specified file.

[Selected files]:

Lets you select multiple files.

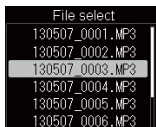
[All files]:

Selects all the files in the folder.

- 9** Press the ►OK button to move to the respective setting.

When [One file] is selected:

- ① Press the ▲ or ▼ button to select a file to move or copy and then press the ►OK button.



When [Selected files] is selected:

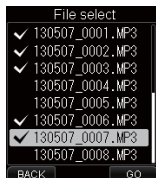
- ① Press the ▲ or ▼ button to select the files to move or copy and then press the ►OK button.



TIP

- You can deselect a previously selected file by selecting it and pressing the ►OK button.

- ② When repeating step ① to select files to move or copy, press the **F3 (GO)** button.



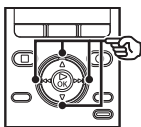
When [All files] is selected:

All the files in the current folder are selected automatically, and the display switches to the **[Destination]** screen.

Moving/copying files [Move/Copy]

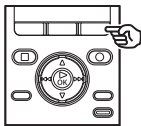
Moving/copying files [Move/Copy]

- 10** Press the ▲, ▼, ►► or ◀◀ button to select the destination folder for files to be moved or copied.



- Files cannot be moved or copied directly within the **[Recorder]** folder. Select a folder from **[A]** to **[E]** folder in the **[Recorder]** folder.

- 11** Press the **F3 (GO)** button.



- [File move completed]** or **[File copy completed]** appears when the process has finished.

TIP

- Locked files (P.66) remain locked after being moved or copied.

NOTE

- Files cannot be copied if there is insufficient remaining memory.
- Files cannot be moved or copied if there are over 999 files.
- To prevent the risk of data damage, never remove the battery while moving or copying a file.
- Files cannot be moved or copied within the same folder.
- When a file moving or copying process is canceled before completion, the files that completed the process will have been moved or copied, and process is canceled for the other files.
- Files with DRM cannot be moved or copied.

Dividing files [File Divide]

Dividing files [File Divide]

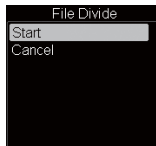
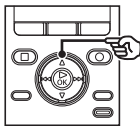
Large files or files with long recording times can be divided for easier management and editing.

NOTE

Only MP3-format and PCM-format files recorded on the voice recorder can be divided.

- 1 Play the file to divide, and stop playback at the desired division point.**
 - Press and hold the ►►► or ◀◀◀ button to fast-forward/rewind.
 - Writing an index mark/temp mark at the division point beforehand is handy.
- 2 While the voice recorder is in stop mode, press the MENU button.**
- 3 Press the ►►► or ◀◀◀ button to select the [File Menu] tab.**
- 4 Press the ▲ or ▼ button to select [File Divide].**
- 5 Press the ►OK button.**

- 6 Press the ▲ button to select [Start].**



- 7 Press the ►OK button.**



- **[Dividing!]** appears in the display, and the file dividing process starts.
[File divide completed] appears when the process has finished.

Dividing files [File Divide]

Dividing files [File Divide]

TIP

- The file names after division become “**File name_1**” for the first half and “**File name_2**” for the latter half.

NOTE

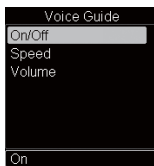
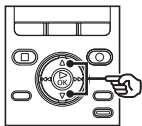
- [File Divide] can be performed only when the file list is displayed.
- The recorder cannot divide files when the number of files in the folder exceeds 999.
- Locked files (Ⓜ P.66) cannot be divided.
- It may not be possible to divide some MP3 or PCM files with extremely short recording times.
- To prevent the risk of data damage, never attempt to remove the battery during dividing a file.

Setting the voice guidance [Voice Guide]

Setting the voice guidance [Voice Guide]

This feature gives voice announcements of recorder operating conditions. You can set voice announcement On/Off, speed and volume.

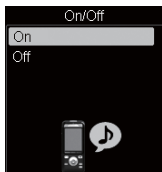
- 1** While the voice recorder is in stop mode, press the **MENU** button.
- 2** Press the **▶▶|** or **|◀◀** button to select the **[LCD/Sound Menu]** tab.
- 3** Press the **▲** or **▼** button to select **[Voice Guide]**.
- 4** Press the **▶OK** button.
- 5** Press the **▲** or **▼** button to select **[On/Off]**, **[Speed]** and **[Volume]**.



- 6** Press the **▶OK** button to move to the respective setting.

When [On/Off] is selected:

- 1** Press the **▲** or **▼** button to select **[On]** or **[Off]**.



[On]: Voice guidance will be enabled.

[Off]: Guidance will be canceled.

- 2** Press the **▶OK** button to finalize the setting.

[On/Off]:

Switches voice guidance On/Off.

[Speed]:

Sets the voice guidance speed.

[Volume]:

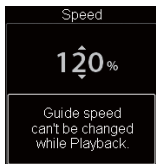
Sets the voice guidance volume.

Setting the voice guidance [Voice Guide]

Setting the voice guidance [Voice Guide]

When [Speed] is selected:

- 1 Press the ▲ or ▼ button to select the voice speed.



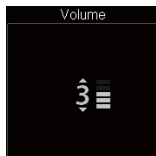
[50%] to [200%] in 10-step increments.

[200%] to [400%] in 20-step increments.

- The greater the number, the faster the speed. Normal playback is performed at 100%.
- 2 Press the ►OK button to finalize the setting.

When [Volume] is selected:

- 1 Press the ▲ or ▼ button to select the voice volume.



- Select from [5] to [0].
 - As greater the number, the louder the beep sound.
- 2 Press the ►OK button to finalize the setting.

NOTE

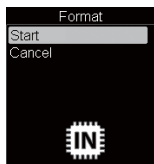
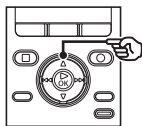
- The starting tune/closing tune when the power is turned On/Off (P.15, P.22) can be canceled if you set [Voice Guide] to [Off].
- The volume of the startup sound/ending sound is controlled by the [Volume] setting of [Voice Guide].
- During playback of a file, the [Speed] setting of [Voice Guide] is disabled.

Formatting a recording media [Format]

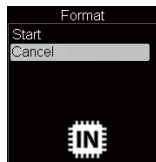
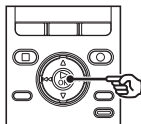
Formatting a recording media [Format]

Formatting a recording media erases all existing files saved on it. Be sure to transfer all important files to a PC before formatting.

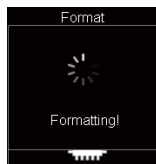
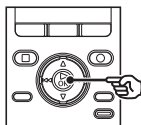
- 1 While the voice recorder is in stop mode, press the MENU button.
- 2 Press the ►►► or ◀◀◀ button to select the [Device Menu] tab.
- 3 Press the ▲ or ▼ button to select [Format].
- 4 Press the ►OK button.
- 5 Press the ▲ or ▼ button to select the recording media to be formatted.
- 6 Press the ►OK button.
- 7 Press the ▲ button to select [Start].



- 8 Press the ►OK button.



- 9 Press the ▲ button again to select [Start].
- 10 Press the ►OK button.



- [Formatting!] is displayed when formatting starts.
- When [Format done] is displayed, formatting is completed.

TIP

- Perform [Reset Settings] to return various functions to the factory default (P.72).

Formatting a recording media [Format]

NOTE

- Never format the voice recorder from a PC.
 - Formatting erases all the existing data, including locked files and read-only files.
 - When the SD card is set to write-protected, **[SD Card Protected]** is displayed. To perform formatting, cancel SD card write protection (☞ P.19).
 - When an SD card is inserted in the recorder, be sure to confirm which recording media is to be formatted, **[Internal memory]** or **[SD card]**, so there is no mistake (☞ P.71).
 - Before formatting, charge or replace the battery to ensure it will not run out before the process is finished. The formatting process can sometimes take over 10 seconds to complete. To prevent the risk of damage to data, never attempt to perform any of the following processes before a formatting process has finished: Doing so may damage the data.
 - ① Disconnecting the USB-connection AC adapter.
 - ② Removing the battery.
 - ③ Removing the SD card (if the recording media has been set to **[SD card]**).
- Even when formatting or erasing (☞ P.46) is performed, only the file management information of the internal memory and/or SD card is updated and the recorded data is not completely erased. When disposing of an SD card, be sure to destroy the card, format the card and record silence until the recording time runs out, or perform a similar operation in order to prevent the leakage of personal information.

Wi-Fi Function

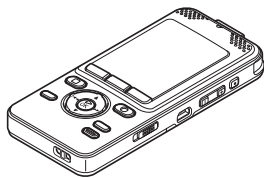
Before using the Wi-Fi function

The voice recorder is equipped with a Wi-Fi function. Wi-Fi devices are certified by an organization known as Wi-Fi Alliance that certifies that wireless LAN devices can be mutually connected. In this manual, the wireless LAN functions are described collectively as “Wi-Fi”. Smartphones can be connected to the voice recorder using radio signals. Because of wireless, as long as the radio signal can reach the unit, flexible connection is possible. Radio signals extend a certain range and can penetrate obstacles (wood, glass, etc.), thus even if the voice recorder is placed another room, connection is possible. Using a special application for smartphones, you can play back files recorded by the voice recorder. Also, the voice recorder can be operated from a distance, as long as it is within the reach of the radio signal. For details, see our website.

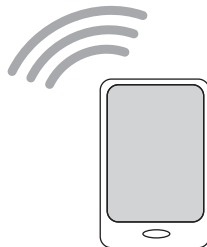
What can you do with the Wi-Fi function?

- Use your smartphone to operate the voice recorder.
- Create content files in which voice and images are synchronized.

To perform the above functions, you need to install the special application for smartphones beforehand (☞P.93).



Recorder



Smartphone

Before using the Wi-Fi function

NOTE

- The Wi-Fi function of the voice recorder is designed to be used in the following regions.

Europe:

Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom, Iceland, Liechtenstein, Norway, Switzerland, Croatia, Turkey

Do not use the Wi-Fi function of the voice recorder in regions than the above. Using the function could violate the radio signal restrictions in that country. We will assume no responsibility whatsoever for the use of this technology.

- Communication may be affected if there is reinforced structures, metal or concrete between the voice recorder and the Wi-Fi access point.
- Do not use the Wi-Fi function of the voice recorder in a hospital and airplane where its use is prohibited.
- Near a microwave, cordless telephone set, or device that uses the 2.4GHz frequency band, if the voice recorder is used at the same time with such a device, communication performance may be affected. When using the voice recorder, keep a sufficient distance away from such devices.
- If multiple Wi-Fi access points nearby use the same channel, the voice recorder may not be detected correctly.
- To the extent possible, try not to use the voice recorder near mobile phones, televisions, or radios.
Mobile phones, PHS, TV sets, and radios use different frequencies than the voice recorder but electromagnetic waves generated from Wi-Fi products including this voice recorder could generate noise in audio or video images.
- When using the Wi-Fi function, battery life is consumed quickly. If the battery runs out during data transfer, the data may be damaged. Therefore, when using a Wi-Fi connection we recommend that you use the AC adapter included with the voice recorder.

Before using the Wi-Fi function

Notes on security when using Wi-Fi products

- With a Wi-Fi connection, information is exchanged wirelessly between a smartphone and the voice recorder and as long as radio signals reach the unit, flexible connection is possible. However, because radio signals can penetrate through obstacles (wood, glass, etc.), if there is no security-related setting, the following problems could occur.
 - A malicious third party intentionally intercepts radio signals to spy on communication content.
 - Unauthorized intrusion causes the leaking of personal information.
 - Intercepted communication contents are rewritten and transmitted.
 - Destructive computer viruses are released that can destroy data or systems.

For security protection, we recommend the password be changed periodically using the **[Wi-Fi]** function of the voice recorder (☎ P.74).

- Should a problem occur for an inevitable reason due to the specifications of the Wi-Fi connection, we assume no responsibility whatsoever for any damage incurred.

6

Before using the Wi-Fi function

TIP

SSID (Service Set Identifier): SSID is the ID (network name) required for Wi-Fi connection.

Access point (Wireless LAN access point): A device that receives radio signals to connect client to the network over a wireless LAN. Or, the name used when a device is used as only a radio transmitting function.

Before using the Wi-Fi function

About OLYMPUS Audio Controller



The OLYMPUS Audio Controller application for smartphones is required to use your smartphone to operate the voice recorder from a distance.

How to obtain the application

Supported OS (as of November 2013)

- For Android™: Android 2.3.3 to 4.2
- For iOS: iOS 5.0 to iOS 6.0

Use the following method to obtain the application.

1 Connect your smartphone to the network.

2 Search for the application.


For Android™:

Using “Google Play™ (formerly called Android Market™)”, search for “OLYMPUS Audio Controller”.

For iOS™:

Using “App Store SM”, search for “OLYMPUS Audio Controller”.

3 Select “OLYMPUS Audio Controller” and download and install.

- An icon  is added to the smartphone apps menu.

What the application can do

Installing the application on your smartphone allows you to:

You can use the QR code to configure the SSID and password:

Use [Wi-Fi] of the voice recorder to display the QR code (P.74). If you use OLYMPUS Audio Controller installed in a smartphone to read the QR code, the SSID and password will be entered automatically.

Use your smartphone to operate the voice recorder:

Use the Wi-Fi function to operate the voice recorder (recording, playback) from a distance.

Create content files in which voice and images are synchronized:

You can create content files that automatically display captured images according to the elapsed time of the voice file.

Before using the Wi-Fi function

TIP

- The created content file is transferred to the voice recorder in one folder for each file.
- The created content file can only be played back using smartphone application.
- You can operate the voice recorder to delete unnecessary content folders (P.68).

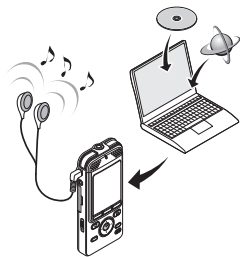
NOTE

- For details about the application, see our webpage.
- When you download the application using a mobile phone line such as 3G, depending on your particular contract, you may incur packet communication fees.

Use with a PC

Connecting the voice recorder to a PC lets you:

- You can use Olympus Sonority to transfer voice files recorded by the voice recorder and play them back or manage them on PC. The optional Olympus Sonority Plus upgrade and optional Music Editing Plugin provide a variety of functions (☞ P.106).
- Using the voice recorder, you can enjoy language content or music files in WMA, MP3 and WAV format stored on your PC.
- The voice recorder can be used as external storage to save or load data to/from your PC (☞ P.109).



PC operating environment

Windows

OS (Operating system):

Microsoft® Windows® XP Service Pack 2 3
Microsoft® Windows® XP Professional x64
Edition Service Pack 2
Microsoft® Windows Vista®, Service Pack 1,
2 (32-bit/64-bit)
Microsoft® Windows® 7 (32-bit/64-bit)
Microsoft® Windows® 8 (32-bit/64-bit)

CPU: 1 GHz or more 32bit (x86) or 64bit (x64)
processor

RAM capacity: 512MB or more

Hard disk space:

Olympus Sonority installation: 300MB or
more

Drive: CD-ROM or CD-R, CD-RW, DVD-ROM
drive

Browser:

Microsoft Internet Explorer 6.0 or later

Display: 1024 x 768 dots, 65,536 colors
or more (16,770,000 colors or more
recommended)

USB port: One or more available

Other:

- Audio device
- An environment with Internet access
- Even when the requirements for the operating environment are satisfied, updated versions, multiboot environments, self-modified PCs and other compatible machines will not be covered under the operational warranty.

PC operating environment

Macintosh

OS (Operating system):

MacOS-X 10.5 -10.9

CPU: PowerPC® G5 or Intel multi-core processor 1.5GHz or higher

RAM capacity: 512MB or more

Hard disk space:

Olympus Sonority installation: 300MB or more

Drive: CD-ROM or CD-R, CD-RW, DVD-ROM drive

Browser: Safari 2.0 or later

Display: 1024 x 768 dots, 32000 colors or more (16,770,000 colors or more recommended)

USB: One or more ports available

Other:

- Audio device
- Quick Time 7.2 or later with Internet access recommended

NOTE

- Some Olympus Sonority functions require Quick Time 7.2 or higher. You can obtain the latest Quick Time version from Apple Software Update.

7

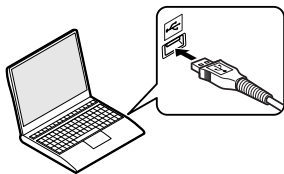
PC connection precautions

- When uploading or downloading a file to or from the voice recorder, data transfer will continue as long as the voice recorder's LED indicator light is flashing, even if the PC data communication screen disappears. Never disconnect the USB connector before data communication has finished. Always use the procedure on P.98 to disconnect the USB connector. Data may not be transferred correctly if you disconnect the connector before the drive has stopped.
- Do not format (initialize) the voice recorder's drive from a PC. Formatting done from a PC will not be done correctly. To perform formatting, use the **[Format]** menu of the voice recorder (P.88).
- Voice recorder folders or files that are moved or renamed in a Windows or Macintosh file management screen may be reordered or become unrecognizable.
- Note that it will still be possible to read and write data on the voice recorder after setting the attribute of the voice recorder's drive to 'Read only' on a PC.
- To prevent nearby electronic devices being affected by noise, disconnect the external microphone and earphones when connecting the voice recorder to a PC.

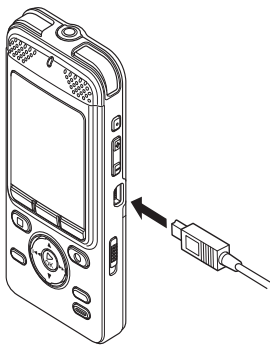
PC connection/disconnection

Connecting the voice recorder to a PC

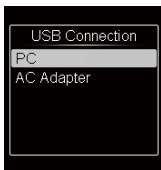
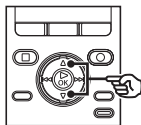
- 1 Start the PC.
- 2 Connect the USB connection cable to the USB port on the PC.



- 3 Check that the voice recorder is in stop mode, then connect the USB connection cable.



- 4 Press the ▲ or ▼ button to select [PC].



- 5 Press the ►OK button.

- While connected to USB, [Remote] is displayed on the voice recorder.
- The recorder does not establish a connection with a PC if [AC Adapter] is selected in the USB connection setting. Set the USB connection setting to [PC].

TIP

- Windows: The voice recorder is recognized and displayed in the [My Computer] folder with the model name as the drive name. If there is an SD card in the voice recorder, it can be used as the [Removable Disk].
- Macintosh: The voice recorder is recognized and displayed on the desktop with the model name as the drive name. If an SD card is inserted, [Untitled] is displayed.
- For information on the PC's USB port, see the PC's user manual.

Connecting the voice recorder to a PC

NOTE

- The voice recorder must not be in HOLD mode.
- Insert the USB connector securely all the way. Operation will not be normal if the connection is not made properly.
- Connecting the voice recorder through a USB hub may result in unstable operation. Do not use a USB hub if operation is unstable.
- Use only a compatible Olympus USB extension cable. Operation is not guaranteed if another manufacturer's cable is used. Also, never use this dedicated cable with any other company's products.

Disconnecting the voice recorder from a PC

Windows

- 1 Click [] on the task bar in the lower right hand corner of the screen and click [Safely remove USB Mass Storage Device].**

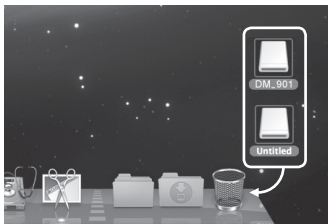


- The letter used to identify the drive will vary according to your PC.
 - When the window indicating it is safe to remove hardware appears, close the window.
- 2 Check that the LED indicator light of the voice recorder is OFF and then disconnect the USB cable.**

Disconnecting the voice recorder from a PC

Macintosh

- 1 Drag-and-drop the removable disk icon for the voice recorder shown on the desktop to the trash can icon.**



- 2 Check that the LED indicator light of the voice recorder is OFF and then disconnect the USB cable.**

NOTE

- To prevent the risk of data damage, never disconnect the voice recorder from the USB port while the LED indicator light is flashing.

Functions available in Olympus Sonority

Olympus Sonority provides various functions that can be used to manage and edit files. For information on operating procedures and detailed settings, please refer to the respective items on online help (P.105).

Waveform editing function

Using the Waveform Editing Function Tab, you can easily process the voice data. In the Waveform Editing Mode, you can also delete unnecessary parts, paste and re-save the data.

One-touch effect function

Using the One-touch Effect Function, you can easily apply special effects to the voice file and carry out noise reduction in any specified area.

Sending files by email

Voice files are stored in the [Message] folder on the hard disk. You can send voice files as attachments to email.

Changing a folder name

You can change a folder name. Up to 62 characters can be entered but the single byte characters of `¥/!*?<>` cannot be used.

If folder names are changed in OS of some other language than the languages supported by the voice recorder, the folder name may become garbled.

Editing file comments

You can use Olympus Sonority to add comments to files downloaded from the voice recorder. A maximum of 50 double-byte characters (100 single-byte characters) can be entered.

Changing a file format to another format*

The current saved file format can be changed to other formats.

Functions available in Olympus Sonority

Combining files

You can specify multiple voice files and combine them into one file.

Dividing a file

You can divide a specified voice file into two files.

Using Olympus Sonority to load content

You can load podcast content obtained from the Internet on your PC.

* To write files in MP3 format, you need to upgrade to Olympus Sonority Plus (P.106).

Installing software

Before you connect the recorder to your PC and use it, you must first install the “Olympus Sonority” software from the included Software CD.

Be sure to confirm the following before installation:

- Exit all running applications.
- You need to log on as Administrator.

Windows

1 Insert “Olympus Sonority” into the CD-ROM drive.

- The installation program will start automatically. Once the program starts, go to step 4. If it does not, follow the procedures in steps 2 and 3.

2 Open the contents of the CD-ROM with [Explorer].

3 Double-click [Setup] in the root of the CD-ROM.

- The “Olympus Sonority” launch screen is displayed.



4 Click on the language you want to install.

5 Click [Olympus Sonority Setup].

- The Installer will open. Follow the Installer Wizard instructions.

6 Accept the terms of the Licensing Agreement.

- You must accept the terms of the Licensing Agreement to install “Olympus Sonority”. After checking the [Agree] box, click [Next].

7 Register the User Registration Information.

- Please enter your name, company name and the serial number listed on the separate sheet. Click [Next] after entering.

8 Select the software setup type.

- The installation destination can be changed. Click [Next] if you do not want to change it (Select [Custom] if you want to change).

9 Click [Install] to start the installation.

- Do not carry out other operations before the installation is completed and the [Complete] screen is displayed.
- When the installation is completed, the [Install Shield] screen will be displayed.
- To connect the recorder to a PC, See “Connecting the voice recorder to a PC” (E3 P.97) for the procedure.

Macintosh

- 1 Insert “Olympus Sonority” into the CD-ROM drive.**
 - Proceed to step 3 if the content of CD-ROM is displayed, or go to step 2 if nothing is displayed.
- 2 Open the contents of the CD-ROM with [Finder].**
- 3 Double-click [Setup] in the root of the CD-ROM.**
 - The “Olympus Sonority” launch screen is displayed.
- 4 Click on the language you want to install.**
- 5 Click [Olympus Sonority Setup].**
 - The Installer will open. Follow the Installer Wizard instructions.
- 6 Accept the terms of the Licensing Agreement.**
 - You must accept the terms of the Licensing Agreement to install “Olympus Sonority”. After checking the [Agree] box, click [Next].
- 7 Set the Installation destination.**
 - Click [Next] if you do not want to change it (Select [Change Installation Destination] if you want to change).

8 Click [Install] to start the installation.

- Do not carry out other operations before the installation is completed and the [Complete] screen is displayed.
- When the installation is completed, the [Installer] screen will be displayed.
- To connect the recorder to a PC, See “Connecting the voice recorder to a PC” (P.97) for the procedure.
- After starting up the “Olympus Sonority”, the serial number entry dialog box will appear. Enter the serial number listed on the separate sheet.

Uninstalling software

To uninstall any of the software component of the “Olympus Sonority” software installed on your PC, follow the steps below.

Windows

- 1 **Exit “Olympus Sonority”.**
- 2 **Select [Start] from the [Control Panel] menu.**
- 3 **Click [Add/Remove programs].**
 - The list of installed applications is displayed.
- 4 **Click [Olympus Sonority].**
- 5 **Click [Change/Remove].**
- 6 **Click [OK] to start uninstalling.**
 - An additional message may appear, if so, read it carefully and follow the instructions given.
 - When the uninstallation is completed, [Maintenance Complete] screen is displayed.
- 7 **Click [Finish] to complete uninstalling.**

Macintosh

- 1 **Exit “Olympus Sonority”.**
- 2 **Open [Finder].**
- 3 **Double-click the [SonorityUninstaller.pkg] in the application folder.**
 - The Uninstaller will open. Follow the wizard instructions.
 - When the administrator password is asked, enter the password then click [OK].
 - When the uninstallation is completed, [Successful] screen is displayed.
- 4 **Click [Close].**

Files left after uninstallation

The voice files you made are stored in the [MESSAGE] folder. If you don't need them, delete them.

You can confirm the location of the [MESSAGE] folder by clicking [Options] in the [Tools] menu before uninstalling.

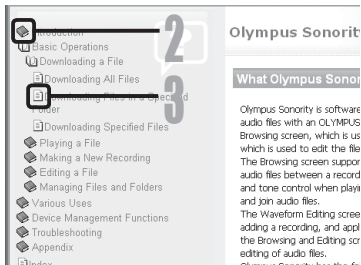
Using online help

To open Online Help, you have the following options.

- With Olympus Sonority running, from the [Help] menu, select [Olympus Sonority Help].

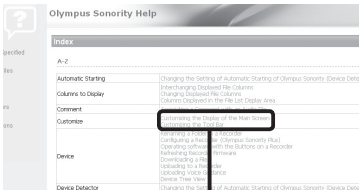
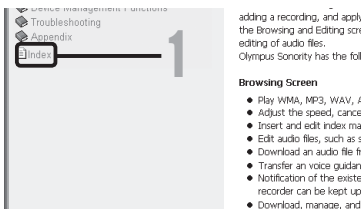
Search by Contents

- 1 Display the online help and click the table of contents tab.**
- 2 Double-click the [] of the item you wish to search for.**
 - An explanation of the topic is displayed.
- 3 Double-click the [] of the item you wish to search for.**
 - An explanation of the topic is displayed.



Search by Keyword

- 1 Display the online help and click the [Index] item.**
 - Matching keywords are located automatically.
- 2 Click a keyword.**
 - An explanation of the topic is displayed.



NOTE

- This document explains basic operation of Olympus Sonority. For more information on menus and operations, refer to Online Help. Online help becomes available after installing Olympus Sonority.

Upgrade function

By upgrading Olympus Sonority to the optional Plus version, you can use more advanced functions. Also, with Olympus Sonority Plus, if you purchase the Music Editing Plug-in you can enjoy advanced effects editing. To add the Music Editing Plug-in, you need to upgrade to Olympus Sonority Plus.

Purchase and upgrade

Use the following procedure to upgrade Olympus Sonority by purchasing Olympus Sonority Plus.

1 Start Olympus Sonority.

2 From the [Help] menu, select [Purchase Olympus Sonority Plus] or click the button on the Tool Bar.

- The web browser will start and the purchase site of the “Olympus Sonority Plus” will be displayed. Please operate according to guidance on the screen. When the purchase procedure is completed, the Upgrade Key will be issued by mail.

3 From the [Help] menu, select [Upgrade to Olympus Sonority Plus].

- The [Upgrade to Olympus Sonority Plus] dialog will be displayed.

4 Register the upgrade key.

- When starting the application next time, “Olympus Sonority” will be upgraded to “Olympus Sonority Plus”.

Confirming your upgrade to Olympus Sonority Plus

Click the root of the Main Treeview, [Olympus Sonority], in the Browse Screen to display the Information Screen. You can confirm that the upgrade key is registered. Or, from the [Help] menu, if you select Version Information, the registered Olympus Sonority Plus upgrade key is displayed. The Music Editing Plug-in includes more than 20 types of effect functions and spectrum analyzer functions. For details, please refer to the Online Help (P.105).

NOTE

- To purchase the Upgrade Key, it requires an environment where the Internet can be utilized. If the upgrade key cannot be used, contact the Olympus Customer Support Center.
- For details about how to purchase an upgrade key, see Olympus Sonority Online Help (P.105).

Upgrade function

Functions available in Olympus Sonority Plus

In addition to the functions available with Olympus Sonority, Olympus Sonority Plus provides various editing functions for music files. For information on operating procedures and detailed settings, please refer to the respective items on the Online Help (P.105).

Editing MP3

Edit and write MP3 files and tags.

Create music CDs

Create music CDs using voice files registered in the CD write folder.

Functions available with the music editing plug-in

If you purchase the Music Editing Plug-in for Olympus Sonority Plus, you can add advanced functionality that widens the range of music editing capabilities available. For detailed purchasing method and operating procedures, please refer to the Online Help (P.105).

Effect functions

You can edit music files using more than 20 advanced effect functions.

Spectrum analyzer

Displays in the Waveform Display Screen the waveform distribution of an voice file being played in the real time.

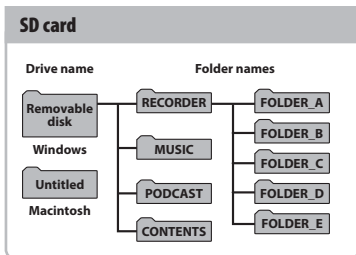
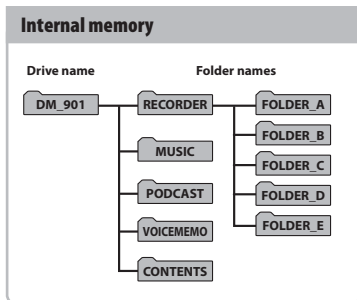
Besides unrestricted track editing

It also removes the restriction on the number of tracks that can be edited.

Loading a file to a PC

The five folders for voice recording are displayed as **[FOLDER_A]**, **[FOLDER_B]**, **[FOLDER_C]**, **[FOLDER_D]**, **[FOLDER_E]** respectively on the PC and contain recorded voice files. You can copy voice recorder files to any folder on the PC.

■ Voice recorder drive name and folder names on the PC



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Loading a file to a PC

- With this voice recorder, content in the **[CONTENTS]** folder cannot be checked.
- If you delete or change files in the **[VOICEMEMO]** folder or **[CONTENTS]** folder, the voice recorder may not operate correctly.

NOTE

- To prevent the risk of data damage, never disconnect the voice recorder from the USB port while the LED indicator light is flashing.
- WMA-format files cannot be played in the standard Macintosh operating system.

Usage as external memory of the PC

Connecting the voice recorder to a PC lets you transfer voice recorder data to save in the PC, and vice-versa.

Windows

- 1 Connect the voice recorder to the PC (P.97).**
- 2 Open Windows Explorer.**
 - When you open **[My Computer]**, the voice recorder is recognized by the drive letter that includes the product name.
- 3 Click on the folder labeled with your voice recorder's model name.**
- 4 Copy the desired data to the PC.**
- 5 Disconnect the voice recorder from the PC (P.98).**

Macintosh

- 1 Connect the voice recorder to the PC (P.97).**
 - When connected to a Mac OS, the voice recorder is recognized on the desktop by the drive letter that includes the product name.
- 2 Double-click the removable disk icon labeled with your voice recorder's model name.**
- 3 Copy the desired data to the PC.**
- 4 Disconnect the voice recorder from the PC (P.99).**

NOTE

- During data communication, **[Busy]** appears in the voice recorder's display and the LED indicator light flashes. To prevent the risk of data damage, never disconnect the voice recorder from the USB port while the LED indicator light is flashing.

Other information

Alarm message list

Message	Meaning	Action required
Battery low	The remaining battery power is low.	Charge the battery (P.12, P.16). If the battery runs out soon even though it was charged, the battery may be expired. Replace it with a new one (P.11).
File locked	An attempt was made to erase a locked file.	You must unlock the file before you can erase it (P.66).
Cannot record in this folder	An attempt was made to record when not in [Recorder] mode.	Before recording, select [Recorder] mode and one of the folders from [Folder A] to [Folder E] (P.23, P.27).
No more can be set	The maximum number of index marks (99) have been written in the file.	Erase unneeded index marks (P.44).
	The maximum number of temp marks (99) have been written in the file.	Erase unneeded temp marks (P.44).
Folder full	The maximum number of files (999) have been saved in the folder.	Erase unneeded files (P.46).
Memory error	An internal memory error occurred.	Contact the Olympus Customer Support Center (P. back cover).
Card error	The SD card was not recognized correctly.	Remove and insert the SD card again (P.18, P.19).
Illegally copied file	The music file was copied illegally.	Erase the music file (P.46).
Memory full	There is no remaining memory.	Erase unneeded files (P.46).
SD Card Protected	The SD card is write protected.	Cancel SD card write protection and then attempt to use again (P.19).
No file	There are no files in the folder.	Select another folder (P.25, P.27).

Alarm message list

Message	Meaning	Action required
Format error	A formatting problem occurred.	Format the memory again (☞ P.88).
Can't create the system file. Connect to PC and erase unnecessary file	The voice recorder is unable to create a management file due to low remaining memory.	Connect the voice recorder to a PC and erase unneeded files.
Cannot play this file	The file's format is not supported.	Select a file that can be played by the voice recorder (☞ P.39).
Select a file	No file has been selected.	You must select a file before you can perform the operation (☞ P.25, P.27).
Same folder can't be moved (copied)	An attempt was made to move (copy) a file to the same folder.	Select another folder.
Some files can't be moved (copied)	A file with the same name as a file being moved (copied) exists in the destination folder.	Select another file.
This file can't be divided.	An attempt was made to divide a file that is not an MP3- or WAV-format file recorded by the voice recorder.	Select another file.

Troubleshooting

Problem	Possible cause	Solution
The display is blank.	The battery is not inserted properly.	Check the orientation of the battery (☞ P.11).
	The remaining battery power is low.	Charge the battery (☞ P.12, P.16).
	The power is OFF.	Turn the power ON (☞ P.15).
Unable to operate the voice recorder	The remaining battery power is low.	Charge the battery (☞ P.12, P.16).
	The power is OFF.	Turn the power ON (☞ P.15).
	The voice recorder is in HOLD mode.	Release HOLD mode (☞ P.21).
Unable to record	There is no remaining memory.	Erase unneeded files (☞ P.46).
	The maximum number of recordable files has been reached.	Select another folder (☞ P.25, P.27).
Playback is inaudible.	The earphones are connected to the EAR jack.	To output the playback through the built-in speaker, disconnect the earphones.
	[Off] has been selected for [Speaker].	To output the playback through the built-in speaker, select [On] for [Speaker] (☞ P.70).
	The volume is set to [00].	Adjust the volume (☞ P.36).
The recording is too quiet.	The recording level hasn't been adjusted.	Redo recording after adjusting the recording level (☞ P.58).
	A low recording level has been set.	Redo recording after setting the recording level to [High] or [Middle] (☞ P.58).
	The output level of the connected external device may be too low.	Adjust the output level of the external device.
Audio file sound is distorted.	The recording level hasn't been adjusted.	Redo recording after adjusting the recording level (☞ P.58).
	The voice recorder's recording level, or the output level of the connected external device may be too high.	If the problem continues after adjusting the voice recorder's recording level (☞ P.58), adjust the output level of the external device.

Troubleshooting

Problem	Possible cause	Solution
An audio file is not recorded in stereo.	The connected external microphone is a mono microphone.	Sound recorded by a connected external mono microphone is recorded on the left channel only.
	[Rec Mode] is set to a mono recording format.	Set [Rec Mode] to a stereo recording format (☞ P.59).
	A positive (+) value has been selected for [Zoom Mic] .	Select [Off] for [Zoom Mic] (☞ P.59).
Missing audio file	The file was recorded in a different folder.	Select another folder (☞ P.25, P.27).
Noise during playback	Objects brushed against the voice recorder while recording.	_____
	The voice recorder was placed near a mobile phone or fluorescent light during recording or playback.	Redo the operation with the voice recorder in a different location.
Non-voice portions are not skipped during playback.	The [Voice Detect] process has not been performed.	Use the [Voice Detect] function to extract the speech portions (☞ P.79).
	[Off] has been selected for [Voice Playback].	Select [On] for [Voice Playback] (☞ P.62).
Unable to erase a file	The file is locked.	You must unlock the file before you can erase it (☞ P.66).
	The file is a read-only file.	Unlock the file, or undo the read-only setting on a PC.
Unable to erase a folder	The folder contains a file that the voice recorder cannot recognize.	Connect the voice recorder to a PC to erase the folder (☞ P.97).
Noise when monitoring a recording	Feedback is being caused.	Connecting a speaker with a built-in amplifier may cause feedback during recording. It is recommended that you use earphones to monitor recording, or set [Rec Monitor] to [Off] before starting recording (☞ P.61).
		Adjust the recording setup such as by moving the earphones and microphone farther apart, or ensuring the microphone is not facing the earphones.

Troubleshooting

Problem	Possible cause	Solution
Unable to hear any sound from the earphone through the recording monitor	[Off] has been selected for [Rec Monitor].	Select [On] for [Rec Monitor] (☞ P.61).
Unable to write index marks/temp marks	The maximum number of marks (99) has been reached.	Erase unneeded marks (☞ P.44).
	The file is locked.	You must unlock the file before you can erase it (☞ P.66).
	The file is a read-only file.	Unlock the file, or undo the read-only setting on a PC.
Unable to charge the battery	Other than the specified battery is used.	Use the specified battery (LI-50B).
	The [USB Settings] is set to [Composite].	Set the [USB Settings] to [Storage Class] (☞ P.72).
The PC is unable to recognize the voice recorder.	When connecting to the PC, [AC Adapter] was selected.	When transferring data to the PC, select [PC] (☞ P.97).
Button operations are abnormal.	The [Transcription Mode] setting is [On].	Set the [Transcription Mode] setting to [Off] (☞ P.65).
Wi-Fi cannot be connected.	The voice recorder is not turned ON.	Turn the power ON (☞ P.15).
	The Wi-Fi ON/OFF switch of the voice recording is set to OFF.	Turn ON the Wi-Fi ON/OFF switch on the voice recorder (☞ P.74).
	The Wi-Fi setting on the connected device is incorrect.	In the [Wi-Fi] setting, select [Wi-Fi connection]. Check the SSID and password (☞ P.74).
	The voice recorder is in a location that radio signals cannot reach.	Check for obstacles between the voice recorder and access point.
Unable to select [Change password].	The Wi-Fi ON/OFF switch of the voice recorder is set to ON.	Turn OFF the Wi-Fi ON/OFF switch on the voice recorder (☞ P.74).

Recorder care

- **Exterior**

Wipe gently with a soft cloth. If the recorder is very dirty, soak the cloth in mild soapy water and wring well. Wipe the recorder with the damp cloth and then wipe it with a dry cloth.

- **Monitor**

Wipe gently with a soft cloth.

NOTE

- Do not use benzene, alcohol or other strong solvents, or chemical cleaning cloths.

Accessories (optional)

Accessories for Olympus voice recorders can be purchased directly from the Online Shop on the Olympus website. Availability of accessories differs depending on the country.

ME51SW stereo microphone

Has a large-diameter built-in microphone for sensitive stereo recording.

ME30W two-channel microphone (omnidirectional)

Two ME30 monaural microphones come in a set with a miniature tripod and a connection adapter. These highly sensitive omni-directional microphones are supported by plug-in power and are well-suited to recording musical performances.

ME31 compact gun microphone (unidirectional)

A directional gun microphone handy for outdoor recording of wild birds singing and other highly directional applications. The metal body provides a highly rigid body.

ME34 compact gun microphone (unidirectional)

Comes with an integrated tripod ideal for table placement when recording events from a distance, such as conferences or lectures.

ME33 boundary microphone

A microphone for recording conferences that enables connection of up to three left- and three right-channel units. Cascade connection enables the left/right channel connections to be extended up to about 12 meters, to capture sound from a broad range.

ME52W mono microphone (unidirectional)

Designed to record sound from a distance while minimizing the impact of surrounding noise.

ME15 mono tie clip microphone (omnidirectional)

A small, unobtrusive microphone that comes with a tie-clip.

TP8 telephone pickup microphone

An earphone microphone that can be worn in the ear during phone calls. Clearly captures voices and conversations during phone calls.

A514 USB-connection AC adapter

A USB-connected AC adapter that provides 5-volt DC output. (AC100-240V 50/60Hz)

KA333 connecting cord

A resistive connection cord with stereo mini-plugs (3.5 mm diameter) on both ends. Used to connect the earphone jack output to the line input when recording. Comes with plug adapters (PA331/PA231) that adapt to mono mini plugs (3.5 mm diameter) or mono mini mini plugs (2.5 mm diameter).

RS30W special remote control set

By attaching a receiver to the **REMOTE** jack, you can perform recording/stop operation of the voice recorder remotely. The reception position can be adjusted, and the voice recorder can be operated in any direction you like.

LI-50B lithium-ion battery

Rechargeable lithium-ion battery made by Olympus. This battery can be used with the UC-50 charger.

Carrying case: CS147

Copyright and trademark information

- The information in this document is subject to change in future without prior notice. Contact Olympus Customer Support Center for the latest product names, model numbers and other information.
- The display and illustrations of the voice recorder used in this manual may differ from the actual product. While every precaution has been taken to ensure the accuracy of the information in this manual, errors may occasionally arise. Any questions or concerns regarding doubtful information, or possible errors or omissions should be directed to the Olympus Customer Support Center.
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Notes



WARNING

- **Turn OFF the voice recorder in a hospital or near medical electric devices.**
Electric waves from the voice recorder could affect electric medical devices and could cause accidents due to malfunction.
- **Keep a distance of at least 22cm from persons who have a pacemaker.**
Electric waves from this voice recorder could affect the operation of a pacemaker.
- **Turn OFF the voice recorder power when on airplane.**
Security of the service could be affected.

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Safety precautions

Before using the voice recorder, read this manual to ensure correct and safe operation. After reading this manual, be sure to keep it on hand for ready reference whenever needed.

Important safety precautions

- Important items about safety are indicated by the following display and sentences. Always follow these precautions to prevent harming yourself or others, or causing damage to property.
- The meaning of each precaution type is given below.



DANGER

A precaution about an imminent danger that is expected to result in death or serious injury if equipment is handled incorrectly.



WARNING

A precaution about a situation that is expected to potentially result in death or serious injury if equipment is handled incorrectly.



CAUTION

A precaution about a situation that is expected to potentially result in injury, or is expected to result only in property damage, if equipment is handled incorrectly.

Voice recorder safety precautions



WARNING

- **Do not use the voice recorder in an atmosphere that might contain flammable or explosive gases.**
It may cause fire or explosion.
- **Do not attempt to disassemble, repair or modify the voice recorder.**
It may cause electric shock or injury.
- **Do not operate the voice recorder while operating a vehicle (such as a bicycle, motorcycle or car).**
It may cause traffic accidents.
- **Do not leave the voice recorder in a location accessible to an infant or child.**

Pay attention when using the voice recorder near an infant or child, taking care not to leave it unattended. Infants and children are unable to understand voice recorder safety precautions, and are at risk of accidents such as:

- Strangulation caused by accidental entanglement of the earphone cord around the neck.
- Operation errors resulting in injury or electric shock.

- **Use SD/SDHC/SDXC memory cards only. Never place other types of cards in the voice recorder.**

If another card type is placed in the voice recorder by accident, do not try to pull it out by force. Contact an Olympus repair center or service center.

Safety precautions

- **If the voice recorder is dropped in water or, if water, metal or combustible foreign matter gets inside:**

- ① Remove the battery immediately.
- ② Contact your place of purchase or an Olympus service center for repair. Continued use may result in fire or electric shock.

- **Do not use the voice recorder or use it only as directed in airplanes, hospitals or other locations where use of electronic devices is restricted.**

- **Stop using the voice recorder if you notice unusual odor, noise, or smoke coming from it.**

It may cause fire or burns. Remove the battery immediately, taking care not to burn yourself. Contact your place of purchase or an Olympus repair center or service center. (Do not touch the battery with bare hands when removing it. Remove the battery outdoors, and away from flammable objects.)

- **When carrying the voice recorder by its strap, take care to prevent it becoming caught on other items.**
- **Do not touch for an extended period of time an energized AC adapter or battery while it is charging.**

The temperature of the AC adapter or battery being charged rises. Low-temperature burns may result if your skin touches the AC adapter or battery being charged for extended period of time.

- **Use only Olympus' special lithium-ion battery, charger, and AC adapter.**

Attempting to use other equipment could cause fire or electric shock due to heating, deformation, etc. Also, the power of the voice recorder could fail or an unexpected accident could occur. We assume not responsibility for problems as a result of using other than specified products.

CAUTION

- **Do not raise the volume before performing an operation.**
Hearing damage or loss may result.

Batteries

DANGER

- **Do not place the battery near ignition sources.**
- **Do not incinerate, heat or disassemble the battery. Do not short-circuit the battery's positive and negative electrodes.**
It may cause fire, ruptures, combustion or overheating.
- **Do not solder connections directly onto the battery. Do not deform, modify or disassemble the battery.**
- **Do not connect the battery's positive and negative terminals.**
It may cause overheating, electric shock or fire.
- **When carrying or storing the battery, always place it in the case to protect its terminals. Do not carry or store the battery together with precious metal items such as key rings.**
It may cause overheating, electric shock or fire.

Safety precautions

- **Do not connect the battery directly to a power outlet or car cigarette lighter.**
- **Do not use or leave the battery in a hot location such as in direct sunlight, inside a vehicle on a hot day, or near a room heater.**

It may cause fire, burns or injuries from leaking, overheating or ruptures.



WARNING

- **Do not touch or hold the battery with wet hands.**
It may cause electric shock or malfunctions.
- **Do not use a battery with a scratched or damaged case.**
It may cause ruptures or overheating.
- **Do not insert the battery with its positive/negative terminals in the opposite direction.**
It may cause leaking, overheating, combustion or ruptures.
 - Do not use a battery with a torn casing seal (insulating covering).
 - Always remove the battery when the voice recorder will not be used for an long period.
 - When disposing used batteries, insulate their contacts with tape and discard them as general waste in the manner prescribed by the local authority.
 - Remove the battery from the voice recorder as soon as the battery becomes unusable. It may cause leakage.
- **Battery fluid in the eyes may cause blindness. If battery fluid gets in eyes, do not rub the eyes. Instead, rinse them thoroughly with tap water or other clean water right away. Go to doctor immediately.**
- **Keep the battery out of the reach of infants and children.**
The battery could be swallowed by an infant or child. If swallowed, go to doctor immediately.
- **If you notice abnormal sound, heat, burning odor or smoke from the voice recorder during use:**
 - ① Remove the battery immediately, taking care not to injure yourself.
 - ② Have the voice recorder repaired by your place of purchase or an Olympus service center. Continued use may result in fire or burns.
- **Do not submerge the battery in freshwater or saltwater, or allow its terminals to become wet.**
- **Discontinue use of the battery if it develops a problem such as leaking, discoloration or deformation.**
- **Stop charging the rechargeable battery if charging has not finished after the specified amount of charging time.**
- **Battery fluid on clothing or skin may damage the skin, so rinse the battery fluid off right away with tap water or other clean water.**

Safety precautions



CAUTION

- **Do not throw the battery around, or subject it to strong shocks.**
- **Always charge the rechargeable battery before use when using it for the first time or if it has not been used for a long time.**
- **There is a risk of explosion if the battery is replaced with the incorrect battery type. Dispose of the used battery following the instructions.**
 - Please recycle batteries to help save our planet's resources. When you throw away dead batteries, be sure to cover their terminals and always observe local laws and regulations.
- **Rechargeable batteries have a limited life. When the recorders operating time becomes shorter after recharging under the specified condition, please consider that battery is expired and replace it with a new one.**

Disposing the rechargeable battery

- **Recycling batteries helps saving resources. When disposing a used battery, always cover its terminals and observe local laws and regulations.**

Operating precautions

- Do not leave the voice recorder in hot or humid locations such as in direct sunlight inside a vehicle, or on a beach during summer.
- Do not store the voice recorder in humid

or dusty locations.

- If the voice recorder becomes wet or damp, wipe off the moisture right away with a dry cloth. Contact with salt water should be particularly avoided.
- Do not place the voice recorder on top of or near a TV, refrigerator or other electrical appliance.
- Prevent sand or mud from getting on the voice recorder. It may cause product not to be repairable.
- Do not subject the voice recorder to intense vibrations or shocks.
- Do not use the voice recorder in humid locations.
- Placing a magnetic card (such as a bank cash card) near the speaker or earphones may cause errors in the data stored on the magnetic card.

AC adapter



WARNING

- **Do not attempt to disassemble, repair or modify the AC adapter in any way.**
It may cause electric shock or other injury.
- **Do not use the AC adapter in the vicinity of flammable gas (including gasoline, benzene and lacquer thinner).**
It may cause explosion, fire, or burns.
- **Do not short circuit the ⊕ and ⊖ at the plug end.**

It may cause fire, burns or electric shock.

- **If internal material is exposed due to dropping or damage:**

① Never touch exposed internal material. Doing so could cause electric shock, burns or other injury.

Safety precautions

- ② Immediately disconnect the power supply plug from the power outlet, and;
- ③ Call your dealer or local Olympus representative for servicing. Continued use may result in fire or burns.

● If the voice recorder is submerged in water or, if water, metal or combustible foreign matter gets inside:

- ① Disconnect the power plug from the outlet.
- ② Call your dealer or local Olympus representative for servicing. Continued use may result in fire or electric shock.

● If you notice abnormal sound, heat, burning odor or smoke from the voice recorder during use:

- ① Remove the battery immediately, taking care not to injure yourself.
- ② Call your dealer or local Olympus representative for servicing. Continued use may result in fire or burns.



CAUTION

- **Do not moisten the AC adapter or touch it with a wet hand.**
Doing so could cause electric shock or other injury.
- **Never use the voice recorder with other than the specified power supply voltage.**
- **Do not attempt to insert a power plug with dust adhering into an outlet.**
- **Do not use the AC adapter if the power plug is damaged or the plug is not completely connected to the outlet.**
- **Unplug the AC adapter from AC outlet when not using.**

● Do not damage the power cord.

- Make sure to hold the plug when removing the power plug from the outlet.
- Do not place heavy objects on the cord.
- Do not bring the cord near heating equipment.
- It may cause fire or electric shock.

LCD monitor

- **The LCD used for the monitor is made with high-precision technology. However, black spots or bright spots of light may appear constantly on the LCD Monitor. Due to its characteristics or the angle at which you are viewing the monitor, the spot may not be uniform in color and brightness. This is not a malfunction.**

Software



WARNING

- **Do not use a music CD player to play back the included CD-ROM.**

It may damage the speaker and headphones or hearing loss may result.

<Data loss precautions>

- Recorded content in the internal memory and SD card may be destroyed or lost due to reasons such as operating errors, device failure or repair.
- Also, when content is saved in the memory for long period of time or is used repeatedly, operations such as writing to, reading from, or erasing of contents may not be possible.
- Making a backup of important recorded information and saving it on a PC's hard disk or other recording media is recommended.

Safety precautions

- Note that Olympus will assume no liability for damages or lost earnings resulting from recorded data damage or loss, regardless of the nature or cause thereof.

<Recorded file precautions>

- Note that Olympus will assume no liability for recorded files being erased or becoming unplayable due to voice recorder or PC failure.
- Recording of copyrighted material is permitted when the recording is for your personal use only. Any other type of use without the permission of the copyright owner is prohibited by copyright law.

<Voice recorder and SD cards disposal precautions>

- Even when data is formatted (P.88) or erased (P.46), only the management information of the file is updated and the data that was recorded on the SD card or internal memory is not completely erased. When disposing of an SD card, be sure to destroy the card, format the card and record silence until the recording time runs out, or perform a similar operation in order to prevent the leakage of personal information.

Specifications

General items

■ Recording formats

Linear PCM (pulse-code modulation) format

MP3 (MPEG-1 Audio Layer 3) format

WMA (Windows Media Audio) format

■ Sampling frequency

Linear PCM format

48.0 kHz/16 bits	48.0 kHz
44.1 kHz/16 bits	44.1 kHz

MP3 format

256 kbps	44.1 kHz
128 kbps	44.1 kHz

WMA format

32 kbps mono	44.1 kHz
8 kbps mono	8 kHz

■ Maximum working output

150 mW (8Ω speaker)

■ Maximum headphone output

≤ 150 mV (conforms to EN 50332-2)

■ Wide band characteristic headphone output

75 mV ≤ (conforms to EN 50332-2)

■ Recording media*

Internal NAND FLASH memory: 4 GB

SD card: Supports 512 MB to 2 GB

SDHC card: Supports 4 GB to 32 GB

SDXC card: Supports 64 GB

* Some recording media memory capacity is used as a management area, so the actual usable capacity will always be slightly less than the displayed capacity.

Specifications

■ Wireless standards

Complies with IEEE802.11b/g
Supports IEEE802.11n* technology

* Only the 2.4 GHz band

- The communication speed and distance may vary depending on ambient conditions such as the radio environment, obstacles and installation environment.

■ Transmission scheme

OFDM modulation scheme
(IEEE802.11g/n)

DSSS modulation scheme (IEEE802.11b)

■ Wireless communication mode

Infrastructure mode (AP mode)

■ Security

WPA2-PSK (AES/TKIP)

■ Speaker

Built-in ø20 mm round dynamic speaker

■ MIC jack

ø3.5 mm impedance 2.2kΩ

■ EAR jack

ø3.5 mm impedance 8Ω or more

■ Power source

Standard voltage: 3.7V

Battery: Lithium-ion battery

External power supply: USB connection,
AC adapter (A514) (DC5V)

■ External dimensions

115 mm×51 mm×17.9 mm

(Not including largest projection)

■ Weight

105 g (including battery)

■ Operating temperature

0 to 42°C (32 to 107.6°F)

Frequency response

■ When recording from MIC jack

Linear PCM format

48.0 kHz/16 bits	40 Hz to 23 kHz
44.1 kHz/16 bits	40 Hz to 21 kHz

MP3 format

256 kbps	40 Hz to 20 kHz
128 kbps	40 Hz to 17 kHz

WMA format

32 kbps mono	40 Hz to 13 kHz
8 kbps mono	40 Hz to 3 kHz

■ When recording with built-in stereo microphone

70 Hz to 20 kHz (frequency response upper limit is set by recording mode during MP3/WMA-format recording)

■ During playback

20 Hz to 20 kHz

Specifications

Battery life

The figures below are guideline values.

■ When recording with built-in stereo microphone (using internal memory)

Recording mode		Battery life		
		When [Rec Monitor] is set to [On]	When [Rec Monitor] is set to [Off]	When the Wi-Fi ON/OFF switch is set to ON*
Linear PCM format	44.1 kHz/16 bits	20 hours (approx.)	29 hours (approx.)	—
MP3 format	128 kbps	19 hours (approx.)	29 hours (approx.)	11 hours (approx.)
WMA format	8 kbps mono	16 hours (approx.)	23 hours (approx.)	—

* When [Rec Monitor] is set to [Off].

■ During audio file playback (all playback modes)

During speaker playback

Recording mode		Battery life
Linear PCM format	44.1 kHz/16 bits	23 hours (approx.)
MP3 format	128 kbps	21 hours (approx.)
WMA format	8 kbps mono	22 hours (approx.)

During earphone playback

Recording mode		Battery life
Linear PCM format	44.1 kHz/16 bits	29 hours (approx.)
MP3 format	128 kbps	26 hours (approx.)
WMA format	8 kbps mono	27 hours (approx.)

NOTE

- The battery life figures shown here were determined using an Olympus test method. Actual battery life figures will vary greatly according to the battery used and usage conditions (changing the playback speed, or using the [Rec Monitor], [Zoom Mic], [Voice Detect], [Noise Cancel], [Voice Balancer], [Transcription Mode] and [Wi-Fi] functions may affect the battery life).
- Battery life will be shorter when using an SD card.

Specifications

Recording time

The figures below are guideline values.

■ Linear PCM format

Recording media		Recording mode	
		48.0 kHz/16 bits	44.1 kHz/16 bits
Internal memory	4 GB	4 hours, 35 minutes (approx.)	5 hours (approx.)
SD card	64 GB	89 hours, 30 minutes (approx.)	97 hours, 25 minutes (approx.)
	32 GB	44 hours, 45 minutes (approx.)	48 hours, 40 minutes (approx.)
	16 GB	22 hours, 20 minutes (approx.)	24 hours, 15 minutes (approx.)
	8 GB	11 hours, 5 minutes (approx.)	12 hours, 5 minutes (approx.)

■ MP3 format

Recording media		Recording mode	
		256 kbps	128 kbps
Internal memory	4 GB	27 hours, 30 minutes (approx.)	55 hours (approx.)
SD card	64 GB	535 hours (approx.)	1,070 hours (approx.)
	32 GB	268 hours (approx.)	535 hours (approx.)
	16 GB	134 hours (approx.)	268 hours (approx.)
	8 GB	66 hours (approx.)	133 hours (approx.)

■ WMA format

Recording media		Recording mode	
		32 kbps	8 kbps
Internal memory	4 GB	218 hours (approx.)	850 hours (approx.)
SD card	64 GB	4,200 hours (approx.)	16,420 hours (approx.)
	32 GB	2,100 hours (approx.)	8,200 hours (approx.)
	16 GB	1,040 hours (approx.)	4,090 hours (approx.)
	8 GB	520 hours (approx.)	2,040 hours (approx.)

Specifications

NOTE

- Actual available recording times may be shorter than the figures shown here when making short recordings repeatedly (Equipment displays of available/elapsed recording times should be considered guideline values).
- Available recording time will also vary due to differences in the available memory capacity of different SD cards.

Maximum recording time per file

- The maximum file size is limited to about 4 GB in the WMA and MP3 formats, and to about 2 GB in the linear PCM (WAV) format.
- Regardless of the amount of remaining memory, the maximum recording time per file is restricted to the following values.

■ Linear PCM format

Recording mode	Recording time
48.0 kHz/16 bits	3 hours (approx.)
44.1 kHz/16 bits	3 hours, 20 minutes (approx.)

■ MP3 format

Recording mode	Recording time
256 kbps	37 hours, 10 minutes (approx.)
128 kbps	74 hours, 30 minutes (approx.)

■ WMA format

Recording mode	Recording time
32 kbps mono	291 hours, 30 minutes (approx.)
8 kbps mono	1,139 hours, 20 minutes (approx.)

Number of music tracks (songs) that can be recorded

The figures below are guideline values.

4 GB	800 tracks (approx.)
------	----------------------

(At 128 kbps, 4 minutes per track)

Note that voice recorder specifications and appearance are subject to change without prior notice for performance improvements or other upgrading.

For customers in Europe:



The "CE" mark indicates that this product complies with the European requirements for safety, health, environment and customer protection.



This symbol [crossed-out wheeled bin WEEE Annex IV] indicates separate collection of waste electrical and electronic equipment in the EU countries. Please do not throw the equipment into the domestic refuse. Please use the return and collection systems available in your country for the disposal of this product.



Applicable Product: DM-901



This symbol [crossed-out wheeled bin Directive 2006/66/EC Annex II] indicates separate collection of waste batteries in the EU countries. Please do not throw the batteries into the domestic refuse. Please use the return and collection systems available in your country for the disposal of the waste batteries.

Hereby, OLYMPUS, declares that this Digital Voice Recorder is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

For details visit: <http://olympus-europa.com/>

OLYMPUS®

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for Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Luxemburg, Netherlands, Norway, Poland, Portugal, Russia, Spain, Sweden, Switzerland, United Kingdom.

* Please note some (mobile) phone services / provider do not permit access or request an additional prefix to +800 numbers.

For all not listed European Countries and in case that you can't get connected to the above mentioned number please make use of the following

CHARGED NUMBER: **+ 49 40 - 237 73 899.**

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